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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/058,513

DATE: 12/10/2002 P6  
TIME: 14:13:43

Input Set : A:\-59-1.app  
Output Set: N:\CRF4\12102002\J058513.raw

3 <110> APPLICANT: Gish, Kurt C.  
4 Mack, David H.  
5 Afar, Daniel  
6 Eos Biotechnology, Inc.  
8 <120> TITLE OF INVENTION: Uses of PBH1 in the Diagnosis and Therapeutic Treatment  
9 of Prostate Cancer  
11 <130> FILE REFERENCE: 018501-005910US  
13 <140> CURRENT APPLICATION NUMBER: US 10/058,513  
14 <141> CURRENT FILING DATE: 2002-01-24  
16 <150> PRIOR APPLICATION NUMBER: US 60/263,951  
17 <151> PRIOR FILING DATE: 2001-01-24  
19 <160> NUMBER OF SEQ ID NOS: 42  
21 <170> SOFTWARE: PatentIn Ver. 2.1  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 4225  
25 <212> TYPE: DNA  
26 <213> ORGANISM: Homo sapiens  
28 <220> FEATURE:  
29 <223> OTHER INFORMATION: prostate cancer modulating protein (PCMP) PBH1  
31 <220> FEATURE:  
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33 <222> LOCATION: (43)..(4225)  
34 <223> OTHER INFORMATION: PBH1  
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129 50 55 60  
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132 65 70 75 80  
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135 85 90 95  
137 Asp Ala Phe Gly Asp Ile Gln Phe Glu Thr Leu Gly Lys Lys Gly Lys  
138 100 105 110  
140 Tyr Ile Arg Leu Ser Cys Asp Thr Asp Ala Glu Ile Leu Tyr Glu Leu  
141 115 120 125  
143 Leu Thr Gln His Trp His Leu Lys Thr Pro Asn Leu Val Ile Ser Val  
144 130 135 140  
146 Thr Gly Gly Ala Lys Asn Phe Ala Leu Lys Pro Arg Met Arg Lys Ile  
147 145 150 155 160  
149 Phe Ser Arg Leu Ile Tyr Ile Ala Gln Ser Lys Gly Ala Trp Ile Leu  
150 165 170 175  
152 Thr Gly Gly Thr His Tyr Gly Leu Met Lys Tyr Ile Gly Glu Val Val  
153 180 185 190  
155 Arg Asp Asn Thr Ile Ser Arg Ser Ser Glu Glu Asn Ile Val Ala Ile  
156 195 200 205  
158 Gly Ile Ala Ala Trp Gly Met Val Ser Asn Arg Asp Thr Leu Ile Arg  
159 210 215 220  
161 Asn Cys Asp Ala Glu Gly Tyr Phe Leu Ala Gln Tyr Leu Met Asp Asp  
162 225 230 235 240  
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167 Leu Leu Val Asp Asn Gly Cys His Gly His Pro Thr Val Glu Ala Lys  
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176 Gly Lys Glu Thr Leu Lys Ala Ile Asn Thr Ser Ile Lys Asn Lys Ile

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182	Ser	Leu	Val	Glu	Val	Glu	Asp	Ala	Leu	Thr	Ser	Ser	Ala	Val	Lys	Glu
183					340					345					350	
185	Lys	Leu	Val	Arg	Phe	Leu	Pro	Arg	Thr	Val	Ser	Arg	Leu	Pro	Glu	Glu
186					355					360					365	
188	Glu	Thr	Glu	Ser	Trp	Ile	Lys	Trp	Leu	Lys	Glu	Ile	Leu	Glu	Cys	Ser
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192	385				390					395					400	
194	Ser	Asn	Ala	Ile	Ser	Tyr	Ala	Leu	Tyr	Lys	Ala	Phe	Ser	Thr	Ser	Glu
195					405					410					415	
197	Gln	Asp	Lys	Asp	Asn	Trp	Asn	Gly	Gln	Leu	Lys	Leu	Leu	Glu	Trp	
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200	Asn	Gln	Leu	Asp	Leu	Ala	Asn	Asp	Glu	Ile	Phe	Thr	Asn	Asp	Arg	Arg
201					435					440					445	
203	Trp	Glu	Lys	Ser	Lys	Pro	Arg	Leu	Arg	Asp	Thr	Ile	Ile	Gln	Val	Thr
204					450					455					460	
206	Trp	Leu	Glu	Asn	Gly	Arg	Ile	Lys	Val	Glu	Ser	Lys	Asp	Val	Thr	Asp
207	465				470					475					480	
209	Gly	Lys	Ala	Ser	Ser	His	Met	Leu	Val	Val	Leu	Lys	Ser	Ala	Asp	Leu
210					485					490					495	
212	Gln	Glu	Val	Met	Phe	Thr	Ala	Leu	Ile	Lys	Asp	Arg	Pro	Lys	Phe	Val
213					500					505					510	
215	Arg	Leu	Phe	Leu	Glu	Asn	Gly	Leu	Asn	Leu	Arg	Lys	Phe	Leu	Thr	His
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218	Asp	Val	Leu	Thr	Glu	Leu	Phe	Ser	Asn	His	Phe	Ser	Thr	Leu	Val	Tyr
219					530					535					540	
221	Arg	Asn	Leu	Gln	Ile	Ala	Lys	Asn	Ser	Tyr	Asn	Asp	Ala	Leu	Leu	Thr
222					545					550					555	
224	Phe	Val	Trp	Lys	Leu	Val	Ala	Asn	Phe	Arg	Arg	Gly	Phe	Arg	Lys	Glu
225					565					570					575	
227	Asp	Arg	Asn	Gly	Arg	Asp	Glu	Met	Asp	Ile	Glu	Leu	His	Asp	Val	Ser
228					580					585					590	
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234					610					615					620	
236	Cys	Thr	Leu	Ala	Ala	Leu	Gly	Ala	Ser	Lys	Leu	Leu	Lys	Thr	Leu	Ala
237					625					630					635	
239	Lys	Val	Lys	Asn	Asp	Ile	Asn	Ala	Ala	Gly	Glu	Ser	Glu	Glu	Leu	Ala
240					645					650					655	
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245	Ser	Asp	Glu	Asp	Leu	Ala	Glu	Gln	Leu	Leu	Val	Tyr	Ser	Cys	Glu	Ala
246					675					680					685	
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Input Set : A:\-59-1.app  
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 255 725 730 735  
 257 Lys Pro Val Asp Lys His Lys Lys Leu Leu Trp Tyr Tyr Val Ala Phe  
 258 740 745 750  
 260 Phe Thr Ser Pro Phe Val Val Phe Ser Trp Asn Val Val Phe Tyr Ile  
 261 755 760 765  
 263 Ala Phe Leu Leu Leu Phe Ala Tyr Val Leu Leu Met Asp Phe His Ser  
 264 770 775 780  
 266 Val Pro His Pro Pro Glu Leu Val Leu Tyr Ser Leu Val Phe Val Leu  
 267 785 790 795 800  
 269 Phe Cys Asp Glu Val Arg Gln Met Glu Gln Gly Val Ala Leu Val Glu  
 270 805 810 815  
 272 Glu Ala Arg Ala Ala Gln Glu Pro Thr Glu Gly Val Gly Gly Ser Gly  
 273 820 825 830  
 275 Met Val Gly Cys Arg Ser Arg Ala Leu Pro His Gly Lys Ala Ala Thr  
 276 835 840 845  
 278 Ala Arg Pro Gly Ser Arg Ser Arg His Ser Phe His Thr Ser Leu Gln  
 279 850 855 860  
 281 Ala Glu Gly Ala Ser Ser Gly Leu Gly Gln Pro Arg Lys Gly Leu Pro  
 282 865 870 875 880  
 284 Gln Cys Ser Gly Gly Leu Lys Gly Ser Ser Ser Ala Ala Lys Val Gly  
 285 885 890 895  
 287 Ala Gln Ala Glu Glu Val Pro Arg Ala Ser Glu Gly Cys Glu Asp Cys  
 288 900 905 910  
 290 Gln His Ala Val Thr Ser Gln Lys Arg Lys Gly Leu Ala Asp Val Leu  
 291 915 920 925  
 293 Ser Arg Thr Gly Asn Asn Trp Asp Ser Val Cys Pro Thr Ser Gly Trp  
 294 930 935 940  
 296 Tyr Val Asn Gly Val Asn Tyr Phe Thr Asp Leu Trp Asn Val Met Asp  
 297 945 950 955 960  
 299 Thr Leu Gly Leu Phe Tyr Phe Ile Ala Gly Ile Val Phe Arg Leu His  
 300 965 970 975  
 302 Ser Ser Asn Lys Ser Ser Leu Tyr Ser Gly Arg Val Ile Phe Cys Leu  
 303 980 985 990  
 305 Asp Tyr Ile Ile Phe Thr Leu Arg Leu Ile His Ile Phe Thr Val Ser  
 306 995 1000 1005  
 308 Arg Asn Leu Gly Pro Lys Ile Ile Met Leu Gln Arg Met Thr Ser Ile  
 309 1010 1015 1020  
 311 Glu Met Ser Ser Ser Gly Ser Ser Ile Pro Thr Leu Arg Phe Phe Glu  
 312 1025 1030 1035 1040  
 314 Phe Val Val Leu Ile Gln Ser Ile Ser Gly Thr Ser Ser His His Glu  
 315 1045 1050 1055  
 317 Val Met Leu Ser Asp Arg Cys Val Leu Leu Pro Val Pro Leu Cys Gly  
 318 1060 1065 1070  
 320 Val Asp Gly Gly Leu Cys Val Ala Arg Gln Gly Ile Leu Arg Gln Asn  
 321 1075 1080 1085  
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RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 12/10/2002  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; Xaa Pos. 77,78,79,80,81,82

Seq#:38; Xaa Pos. 3

**VERIFICATION SUMMARY**

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Input Set : A:\-59-1.app

Output Set: N:\CRF4\12102002\J058513.raw

L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:64

L:939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:80

L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0